

Title (en)

LIGHTNING TRANSMISSION DEVICE BETWEEN THE ROTOR AND THE NACELLE IN A WIND TURBINE

Title (de)

BLITZÜBERTRAGUNGSVORRICHTUNG ZWISCHEN DEM ROTOR UND DER GONDEL IN EINER WINDTURBINE

Title (fr)

DISPOSITIF DE TRANSMISSION DE FOUDRE ENTRE LE ROTOR ET LA NACELLE DANS UNE ÉOLIENNE

Publication

EP 3124791 B1 20180228 (EN)

Application

EP 16001545 A 20160713

Priority

ES 201500573 A 20150731

Abstract (en)

[origin: EP3124791A1] Lightning transmission device between the rotor and the nacelle in a wind turbine, which comprises: a first electricity conductor platen (1), where one of its ends is separated at a distance with respect to a metal strip (4) located at a root of each blade; a second electricity conductor platen (2), where one of the ends is separated a distance with respect to a gutter element (5); electrical conductor means between the first and second platen (2); an electrical insulator (6) coupled to said first and second platens (2); which is also coupled to the hub (3) of said wind turbine; and relative displacement means between the first and second platen (2), said means configured to ensure a predefined distance between the end of the first platen (1) and the metal strip (4); and between the end of the second platen (2) and the gutter element (5).

IPC 8 full level

F03D 80/30 (2016.01)

CPC (source: EP ES US)

F03D 80/30 (2016.05 - EP ES US); **H02K 7/1838** (2013.01 - EP US); **F05B 2220/32** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Cited by

EP3708829A1; US11415111B2

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DOCDB simple family (publication)

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